

No.

200000230



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Cebeco Zaden B. V.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

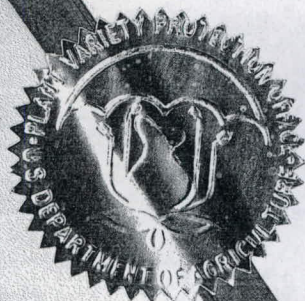
NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE VARIETY. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

PEA, FIELD

'Big Daddy'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this second day of April, in the year two thousand two.

Attest:



Paul M. Jakob

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Andrew G. ...

Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

MAH
1-28-02

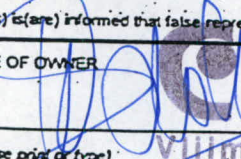
1. NAME OF OWNER SEEDS CEBECO ZADEN BV		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME CEBECO 1222	3. VARIETY NAME BIGDADDY
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) POB 10000 5250 GA Vlijmen The Netherlands		5. TELEPHONE (include area code) +31 73 51 88 555	FOR OFFICIAL USE ONLY PVPO NUMBER 2000000230
		6. FAX (include area code) +31 73 51 88 666	
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.)	8. IF INCORPORATED, GIVE STATE OF INCORPORATION	9. DATE OF INCORPORATION	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (First person listed will receive all papers)			FILING AND EXAMINATION FEES: \$ 2450.00 DATE 5-8-2000 CERTIFICATION FEE: \$ 320.00 DATE 1/28/02
11. TELEPHONE (include area code)	12. FAX (include area code)	13. E-MAIL	14. CROP KIND (Common Name) Marrow fat pea
15. GENUS AND SPECIES NAME OF CROP Pisum sativum L.		16. FAMILY NAME (Botanical) Leguminosae	17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)		19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 83(a) of the Plant Variety Protection Act. <input checked="" type="checkbox"/> YES (If "yes", answer items 20 and 21 below) <input type="checkbox"/> NO (If "no", go to item 22)	
		20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
		21. IF "YES" TO ITEM 20, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED? <input checked="" type="checkbox"/> FOUNDATION <input checked="" type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED 1 gen. Q	
22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)		23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input checked="" type="checkbox"/> YES NL. 2000 <input type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)	
24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF OWNER  NAME (Please print or type) Vlijmen, Holland Ir. Bert Scholte		SIGNATURE OF OWNER NAME (Please print or type)	
CAPACITY OR TITLE Head Registration Dept.	DATE April 18, 2000	CAPACITY OR TITLE	DATE

EXHIBIT A**Origin and Breeding History of Cebeco 1222 (Big Daddy) (Pisum sativum L.)****1. Genealogy**

Cebeco 1222 is selected out of the following crossing:

Cebeco 85073-2 af * Guido in 1986. Seed of Guido is available on the market. Ceb 85073-2 af is a line developed by Cebeco, which was never marketed and has only be used by Cebeco as parent in our crossing program.

In 1988 a single plant was selected in the F3, followed by line selection and replicated yield trials.

The breeding process was carried out at our breeding station in Lelystad in the Center of the Netherlands. Our breeding station is situated on 150 ha reclaimed land on heavy clay soil and is equipped with all the necessary facilities including lab facilities and greenhouses.

2. Breeding goals

The breeding goals were:

<u>Generation</u>	<u>Criteria for selection</u>
F4 plant selection	Straw stiffness Plant length
F5 line selection	Straw stiffness Maturity Resistance to - mildew - Botrytis
F6 yield trials	Yield Straw Stiffness Seed size
F7 yield trials and further	Yield Protein content

Exhibit A-bis**Evidence of Uniformity and Stability of CEBECO 1222 (Big Daddy) (Pisum sativum L.)**

Big Daddy has been tested in official DUS-trials in the United Kingdom in the years 1998-1999. Based on the results from these trials the official authorities have concluded the following:

1. During the testing years no variants were observed, thus confirming the Uniformity of Big Daddy.
2. Over the 2 years Big Daddy has proven to be a Stable variety.

Origin and Breeding history.

Please find additional information of our line Cebeco 85073-2 af (not 885073-2 af):

85073-2 af = (Odeon * ((Primo * Progreta) * Solara)) * (Maro * Gastro)

Exhibit B

Statement of Distinctness of of CEBECO 1222 (Big Daddy) (Pisum sativum L.)

Big Daddy has been found Distinct from all other known varieties but is most similar to Supra. However Big Daddy can be distinguished from Supra in the characteristics as described in the following table. All the data in this table have been recorded in trials on our breeding station in Lelystad, the Netherlands.

Character	Big Daddy	Supra	
Plant height			
1997	92	94	centimeters
1998	102	110	
1999	99	107	
Thousand Grain Weight			
1997	392	374	scale: grams/1000 seeds
1998	456	430	
1999	454	420	
Standing ability			
1997	5.5	5.9	scale: 1 = 100 % standing 9 = 100 % lodged
1998	5.2	5.3	
1999	5.7	6.0	
Downy Mildew			
1996	1.8	2.0	scale: 1 = 100 % resistant 9 = 100 % susceptible
1997	2.0	2.5	
1998	2.0	2.5	

FORM GR-470-14
(5-15-74)UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICEEXHIBIT C
(Pea)GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782
OBJECTIVE DESCRIPTION OF VARIETY
PEA (*PISUM SATIVUM*)

NAME OF APPLICANT(S)

CEBECO ZADEN BV

VARIETY NAME OR TEMPORARY
DESIGNATION

CEBECO 1222 / BIGDADDY

ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)

POB 10000

5250 GA VLIJMEN - NL

FOR OFFICIAL USE ONLY

PVPO NUMBER

200000230

Place the appropriate number that describes the varietal character in the boxes below.

Place a zero in first box (e.g., or) when number is either 99 or less or 9 or less.

1. TYPE:

1 = GARDEN

2 = FIELD

3 = EDIBLE-PODDED

2. MATURITY:

Node number of first bloom:

No. of days to processing

Heat Units

13 - Carrera
No. of days Earlier than

1 = ALASKA WR

2 = THOMAS LAXTON WR

3 = LITTLE MARVEL

No. of days Later than

4 = WANDO

5 = ALDERMAN WR

6 = AUSTRIAN WINTER

3. PLANT HEIGHT:

CM. HIGH

Cm. Shorter than Supra

1 = ALASKA WR

2 = THOMAS LAXTON WR

3 = LITTLE MARVEL

Cm. Taller than Carrera

4 = WANDO

5 = ALDERMAN WR

6 = AUSTRIAN WINTER

4. VINE:

Habit:

1 = DETERMINATE

2 = INDETERMINATE

Stockiness:

1 = SLIM (Alaska)

3 = HEAVY (Alderman)

2 = MEDIUM (Thomas Laxton WR)

Branching:

1 = NONE (Alaska)

2 = 1-2 BRANCHES (Little Marvel)

3 = MORE THAN 2 BRANCHES (Dwarf Gray Sugar)

Internodes:

1 = STRAIGHT

2 = ZIG ZAG

NUMBER OF NODES

5. LEAFLETS:

Color:

1 = LIGHT GREEN (Alaska WR)

2 = MED. GREEN (Thomas Laxton WR)

3 = DARK GREEN (Alderman)

4 = OTHER (Specify)

Wax:

1 = NONE

2 = LIGHT

3 = MEDIUM

4 = HEAVY

1 = NOT MARBLED

2 = MARBLED (Alaska)

Number of leaflet pairs:

1 = NOT PAIRED

2 = ONE

3 = TWO

4 = THREE OR MORE

6. STIPULES:

1 = LACKING

2 = PRESENT

1 = NOT CLASPING

2 = CLASPING

1 = NOT MARBLED

2 = MARBLED

Size (Compared with leaflets):

1 = SMALLER

2 = SAME

3 = LARGER

Color (Compared with leaflets):

1 = LIGHTER

2 = SAME

3 = DARKER

7. FLOWER COLOR:

VENATION

STANDARD

WING

KEEL

1 = WHITE

2 = GREENISH

3 = LAVENDER

4 = PURPLE

5 = RED

6 = OTHER (Specify)

CREAM

8. PODS:

Shape: 1 = STRAIGHT 2 = SLIGHTLY CURVED 3 = CURVED End: 1 = POINTED (Alderman) 2 = BLUNT (Alaska)

Color: 1 = LIGHT GREEN (Alaska WR) 2 = MEDIUM GREEN 3 = DARK GREEN (Alderman) 4 = OTHER (Specify)

Surface: 1 = SMOOTH 2 = ROUGH Surface: 1 = SHINY 2 = DULL

Borne: 1 = SINGLE 2 = DOUBLE 3 = SINGLE AND DOUBLE 4 = SINGLE, DOUBLE, & TRIPEE 5 = DOUBLE & TRIPLE 6 = TRIPLE 7 = OTHER (Specify)

CM. LENGTH MM. WIDTH (Between sutures) NO. SEEDS PER POD

9. SEEDS (95-100 Tenderometer):

Color: 1 = LIGHT GREEN 2 = GREEN 3 = DARK GREEN 4 = OTHER (Specify)

Seive: % 1 2 3 4 5 6 7 8 AVERAGE

SEEDS (Dry, Mature):

Shape: 1 = FLATTENED 2 = ANGULAR 3 = OVAL 4 = ROUNDED

Surface: 1 = SMOOTH 2 = DIMPLED 3 = WRINKLED Surface: 1 = SHINY 2 = DULL

Color Pattern: 1 = MONOCOLOR 2 = MOTTLED 3 = STRIPED 4 = DOTTED

Primary Color: 1 = CREAMY-WHITE 2 = CREAM & GREEN 3 = LIGHT GREEN 4 = MEDIUM GREEN 5 = DARK GREEN 6 = BLUE-GREEN 7 = YELLOW 8 = BROWN 9 = RED

Secondary Color: 10 = GRAY 11 = BLACK

Hilum Floor Color: 1 = WHITE 2 = TAN 3 = BLACK Cotyledon Color: 1 = GREEN 2 = YELLOW 3 = ORANGE

GRAMS PER 100 SEEDS

10. DISEASE: (0 = Not Tested; 1 = Susceptible; 2 = Resistant)

2 FUSARIUM WILT	0 NEAR-WILT	1 DOWNY MILDEW
2 ASCOCHYTA BLIGHT	1 POWDERY MILDEW	0 BACTERIAL BLIGHT
0 MOSAIC	1 PEA ENATION MOSAIC	1 YELLOW BEAN MOSAIC
OTHER (Specify)		

11. INSECT: (0 = Not Tested; 1 = Susceptible; 2 = Resistant)

APHIDS OTHER (Specify)

12. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Leafiness		Fresh Seed Color	
Leaf Color		Mature Seed Color	
Pod Color		Seed Shape	
Pod Shape		Plant Habit	

COMMENTS:

APPENDIX

OBJECTIVE DESCRIPTION OF VARIETY

PEA (*Pisum sativum*)

Variety Name or Temporary Designation:

CEBECO 1222 - BIGDADDY

LEAFLET CHARACTERISTICS:

☒ 2 Leaflet Type: 1=Leafless 2=Semi 3=Normal

STIPULE CHARACTERISTICS:

☒ 2 Color: 1=Light-Green 2=Medium-Green 3=Dark-Green 4=Blue-Green 5=Yellow-Green 6=Other _____

Please provide example varieties of similar specified color or check varieties and stipule color.

Variety Name	Stipule Color
CARRERA	2

Variety Name	Stipule Color

Variety Name	Stipule Color

☒ 2 Size: 1=Small 2=Medium 3=Large

Please provide example varieties of similar specified size or check varieties and stipule size.

Variety Name	Stipule Size
CARRERA	2

Variety Name	Stipule Size

Variety Name	Stipule Size

OTHER CHARACTERISTICS: Describe other characteristics that may aid in identification.

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) MAH 1-28-02 CEBECO ZADEN BV SEEDS	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER CEBECO 1222	3. VARIETY NAME BIGDADDY
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) POB 10000 5250 GA VLIJMEN - NL	5. TELEPHONE (include area code) +31 73 51 88 555	6. FAX (include area code) +31 73 51 88 666
	7. PVPO NUMBER 200000230	
8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If no, please explain. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
9. Is the applicant (individual or company) a U.S. national or U.S. based company? If no, give name of country <u>The Netherlands</u> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
10. Is the applicant the original breeder? If no, please answer the following: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO a. If original rights to variety were owned by individual(s): Is (are) the original breeder(s) a U.S. national(s)? If no, give name of country _____ <input type="checkbox"/> YES <input type="checkbox"/> NO b. If original rights to variety were owned by a company: Is the original breeder(s) U.S. based company? If no, give name of country _____		
11. Additional explanation on ownership (If needed, use reverse for extra space):		

PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original breeder, both the original breeder and the applicant must meet one of the above criteria.

The original breeder may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

Public reporting burden for this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB No. 0581-0055 and form number in your letter.

Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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STD-470-E (03-96)